



Sunamp has protected its technology in wide range of global patents based on the following patent applications which currently comprises 198 granted patents and 86 pending applications:

<b>WO 2009/138771</b>	Energy Storage
<b>WO 2011/058383</b>	Energy Storage System
<b>WO 2014/202974</b>	Solutions for Storage Combination Boilers
<b>WO 2014/195691</b>	Improved Phase Change Materials
<b>WO 2014/191778</b>	Battery Assembly
<b>WO 2015/025175</b>	Strontium Bromide Phase Change Material
<b>WO 2017/221025</b>	Phase Change Material - Based Enhancement for Reversed Cycle
<b>WO 2018/220378</b>	Activation Crystallisation Control in Phase Change Thermochemical Systems
<b>WO 2019/171087</b>	Heat Pumps
<b>WO 2020/074883</b>	Calcium Nitrate Tetrahydrates as Phase Change Material
<b>WO 2020/021288</b>	Internally Heated Electrical Heat Battery
<b>WO 2020/065353</b>	Heat Battery Design
<b>WO 2020/161507</b>	Phase Change Materials (PCMs) with Solid to Solid Transitions
<b>WO 2022/185046</b>	Sub-Zero PCMs with Multiple Nucleation Events
<b>PCT/GB2023/051314</b>	Methods to Overcome Melting Point Depression Agent Segregation in Composite Salt Hydrate Phase Change Materials
<b>WO 2024/023520</b>	Phase Change Material Production Kit and Use Thereof
<b>PCT/GB2023/052952</b>	System and Method for Phase Change Materials
<b>GB2308280.3</b>	Insulation Material
<b>GB2309475.8</b>	Compressed of Nucleation Agents
<b>GB2305834.0</b>	Epoxy - Nucleation Agent



<b>GB2310850.9</b>	Heat Exchanger Improvements for PCM Batteries
<b>GB2310855.8</b>	PCM Improvements for Batteries
<b>GB2310854.1</b>	Enclosure Improvements for PCM Batteries
<b>GB2310851.7</b>	Monitoring, Electronics and Manufacturing Improvements for PCM Batteries
<b>GB2306609.5</b>	Phase Change Material Re-Homogenisation in Heat Batteries
<b>GB2314956.0</b>	Apparatus and Method for Drying Pipework
<b>GB2400581.1</b>	Heat Battery Leakage Detecting
<b>GB2403022.3</b>	Heat Storage Material
<b>GB2402249.3</b>	Clathrate Heat Storage Material
<b>GB2403509.9</b>	Heat pump with a Heat Battery